NITFS
Compliance Registration

Product: Controlled Image Base (CIB) Production System Revision 3.1.3.0

Sponsor: Orbital Imaging Corporation

Developer: Orbital Imaging Corporation

Date: 26 April 2004
Expiration: 25 April 2006
Registration #: 340

☐ Initial Registration
☒ Supplemental/Update 333#
☐ Derived from Reg. #

☐ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☒ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL	3	5	6	7
Interpret				
Generate				

NITF 2.0 CLEVEL	1	2	3	4	5	6	Oth
Interpret							
Generate		■	■				

** NITF 2.0 feature
* NITF 2.1 feature

Configurations Tested:

-SGI MIPSPro C Compiler; Perl Version 5, IRIX 6.5

-Hybrid: SGI MIPSPro C Compiler; Perl Version 5, IRIX 6.5 and Windows NT 4.0 sp4

-SGI MIPSPro C Compiler; Perl Version 5; Linux gcc version 3.3.2, IRIX 6.5 and Red Hat Linux 7.2

NITFS Features Implemented:

Format
NITF
○ ○ v2.1
○ ● v2.0
○ v1.1
NSIF
○ ○ v1.0

Pixel Value Types
○ ○ Boolean
○ ● Integer
○ ○ Signed Integer *
○ ○ IEEE Real *
○ ○ IEEE Complex *

Annotation Segment Types
○ ○ Bit Mapped **
○ ○ CGM, 2301
○ ○ CGM, 2301A
○ ○ Labels **

Text Segments
○ ○ STA
○ ○ UT1
○ ○ U8S
○ ○ MTF

Image Segment Types
○ ● MONO
○ ○ RGB
○ ○ RGB/LUT
○ ○ YCbCr
○ ○ MULTI
○ ○ NODISPLY
○ ○ POLAR

Image Compression
○ ○ Not Compressed
○ ○ JPEG Lossy, 8-bit
○ ○ JPEG Lossy, 12-bit
○ ○ JPEG Downsample
○ ○ JPEG Lossless
○ ○ JPEG 2000
○ ○ Bi-Level
○ ● Vector Quantization
○ ○ Multispectral JPEG, Individual Band

Data Extension Segments
○ ○ TRE_OVERFLOW
○ ○ STREAMING_FILE_HEADER
○ ○ Controlled Extensions **
○ ● Registered Extensions **

Tagged Record Extensions
○ ●
- Registered TRE
RPFHDR
RPFIMG
RPFDES

● Fully implemented
◐ Partially implemented
○ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program